

IN THE CLAIMS

This listing of the claims will replace all prior versions, and listings, of the claims in this application.

1. (Currently Amended) A method, comprising:
detecting a change in subscription information of a subscriber;

checking whether a capability of a network element serving a terminal device of said subscriber is still in accordance with said changed subscription information;

and

initiating, in response to ~~the~~ a result of said checking being that said capability of said network element serving said terminal device of said subscriber is not still in accordance with said changed subscription information, a registration procedure for registering said terminal device of said subscriber to a new serving network element that is in accordance with said changed subscription information.
2. (Previously Presented) A method according to claim 1, wherein said checking comprises checking whether said serving network element is still capable of serving said terminal device of said subscriber based on said changed subscription information.
3. (Previously Presented) A method according to claim 1, wherein said detecting is based on a detection of a subscriber profile update.
4. (Previously Presented) A method according to claim 1, wherein said detecting is based on a detection of a subscription of said subscriber to a new service.

5. (Previously Presented) A method according to claim 1, wherein said checking is performed on the basis of a capability information added based on said detecting a response message of a re-registration procedure initiated by said terminal device.
6. (Previously Presented) A method according to claim 5, wherein said re-registration procedure is initiated by said terminal device in response to a de-registration procedure initiated when a change of said subscription information has been detected in said detecting.
7. (Original) A method according to claim 5, wherein said re-registration procedure is a periodic re-registration procedure initiated at predetermined intervals.
8. (Previously Presented) A method according to claim 1, wherein a configuration information is provided for determining subscribed services needing predetermined serving network elements.
9. (Previously Presented) A method according to claim 1, wherein said checking further comprises:
 - transmitting a capability query comprising an information indicating at least one required capability to said serving network element,
 - comparing capabilities of said serving network element with said information about said at least one required capabilities, and
 - receiving an acknowledgement indicating the result of said comparing from said serving network element.

10. (Previously Presented) A method according to claim 1, wherein said checking further comprises:

transmitting an information indicating at least one required capability and an identification of said serving network element to an interrogating network element,

checking at said interrogating network element whether said serving network element fulfills said at least one required capabilities, and

receiving an acknowledgement indicating the result of said checking from said interrogating network element.

11. (Previously Presented) A method according to claim 9, further comprising:
sending a de-register message for de-registering said terminal device to said serving network element in response to the received result.

12. (Previously Presented) A method according to claim 11, wherein a re-registration procedure is initiated by said terminal device in response to a message issued by said serving network element.

13. (Previously Presented) A method according to claim 11, wherein said de-register message comprises a cause information configured to indicate that the reason for de-registration was a need for changing said subscriber information.

14. (Previously Presented) A method according to claim 13, wherein said cause information is used by said terminal device to detect that a re-registration is required.

15. (Previously Presented) A method according to claim 9, wherein a selection function of said data network is initiated using said information about said at least one required capability, and a resulting identification information of said new serving network element is notified to a proxy network element connected to said terminal device.

16. (Previously Presented) A method according to claim 15, wherein said notification is performed using an identification of said proxy network element stored at a subscriber database.

17. (Previously Presented) A method according to claim 16, wherein said identification is requested from said serving network element using said de-register message.

18. (Previously Presented) A method according to claim 15, wherein said selection function is performed by an interrogating network element.

19. (Previously Presented) A method according to claim 1, wherein said checking is performed by requesting from said data network a capability list comprising required capabilities of serving network elements.

20. (Previously Presented) A method according to claim 19, wherein said capability list is requested from an interrogating network element.

21-31. (Cancelled)

32. (Currently Amended) An apparatus, comprising:
a memory comprising computer program code; and

a processor;

the memory and the computer program code configured to, with the processor, cause
the apparatus to perform at least the following:

~~configured to detect~~detecting a change in a subscription information; and

~~and to initiate~~initiating a registration procedure for registering a terminal device of a
subscriber to a new serving network element in response to a result of a
checking operation ~~configured to check~~that has checked whether a capability
of a network element serving a terminal device of said subscriber is still in
accordance with said changed subscription information and that has
determined a result of said checking operation is that said capability of said
network element serving said terminal device of said subscriber is not still in
accordance with said changed subscription information, and wherein said new
serving network element is in accordance with said changed subscription
information.
33. (Currently Amended) An apparatus according to claim 32, wherein said ~~processor~~
initiating is further configured to initiatefurther comprises initiating said registration
procedure by issuing a de-register message.
34. (Currently Amended) An apparatus according to claim 32, wherein said ~~processor~~
initiating is further configured to initiatefurther comprises initiating said registration
procedure by initiating a selection function to select said new serving network element.

35. (Previously Presented) An apparatus according to claim 32, wherein said apparatus is a home subscriber server.

36. (Currently Amended) An apparatus according to claim 32, wherein said memory and said computer program code are further configured to, with the processor, cause the apparatus to perform ~~processor is further configured to inhibit~~inhibiting an unnecessary registration based on a configuration information provided at said apparatus.

37. (Currently Amended) An apparatus, comprising:

a memory; and

a processor;

the memory and the computer program code configured to, with the processor, cause the apparatus to perform at least the following:

~~configured to register~~registering a serving network element ~~configured providing~~ session control services for said apparatus,

~~wherein said apparatus is configured to receive~~receiving a de-register message containing a cause information, which indicates ~~the a~~ reason for the de-register message, the reason indicating that a result of a checking operation for checking a capability of the serving network element indicates that the capability is not in accordance with a change in subscription information of a subscriber associated with the apparatus; and said apparatus is further configured,

in response to said de-register message, ~~to initiate~~initiating automatically a new initial registration procedure for registering said apparatus to a new serving network element providing session control services for said apparatus, wherein the new

serving network element is in accordance with said changed subscription information, if a result of a checking operation for checking a capability of a current serving network element indicates that the capability is not in accordance with a change in subscription information of said subscriber.

38. (Previously Presented) An apparatus according to claim 37, wherein said de-register message is a message in accordance with a session initiation protocol.

39. (Previously Presented) An apparatus according to claim 38, wherein said de-register message is a session initiation protocol NOTIFY-message.

40. (Currently Amended) An apparatus, comprising:

a memory; and

a processor,

the memory and the computer program code configured to, with the processor, cause the apparatus to perform at least the following:

~~configured to check~~checking whether a capability of a current serving network element serving a terminal device of a subscriber is still in accordance with a change in subscription information; and

in response to a result of the checking indicating the capability of the current serving network element serving the terminal device of the subscriber is not still in accordance with the change in subscription information, performing a registration procedure for registering said apparatus to a new serving network element that is in accordance with the change in subscription information.

41. (Currently Amended) An apparatus according to claim 40, wherein the memory and the computer program code are further configured to, with the processor, cause the apparatus to perform~~further comprising~~:

~~a sender configured to send~~ sending a registration authorization message to a subscriber database in response to a registration message for a new registration of a terminal device.

42. (Canceled)

43. (Previously Presented) An apparatus according to claim 40, wherein said apparatus is an interrogating call state control function of an Internet Protocol multimedia subsystem.

44. (Canceled)

45. (New) A computer program product comprising a computer-readable memory medium bearing computer program code embodied therein for use with a computer, the computer program code comprising:

code for detecting a change in subscription information of a subscriber;

code for checking whether a capability of a network element serving a terminal device of said subscriber is still in accordance with said changed subscription information; and

code for initiating, in response to a result of said checking being that said capability of said network element serving said terminal device of said subscriber is not still in accordance with said changed subscription information, a registration

S.N. 10/501,944
Art Unit: 2456

procedure for registering said terminal device of said subscriber to a new serving network element that is in accordance with said changed subscription information.